NC/QC/YD/2020-21/P7-C1

Date: 26-09-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**154 min**	Shall not be less than 30 min
2	Final setting time	**260 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.14%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.09 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.64 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-PCC1 Date: 26-09-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	64.75	0 -20	30- 70
10mm	32.50	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.35	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.05	60-95	75-100	85-100	
01.18	70.45	30-70	55-90	75-100	
600.mic	47.80	15-34	35-59	60-79	
300.mic	24.55	5-20	8-30	12-40	
150.mic	6.25	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Page No. 1/1,

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-C2 Date: 28-09-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

Sl. No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**158 min**	Shall not be less than 30 min
2	Final setting time	**260 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.11%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.07 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**28.74 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-PCC2 Date: 28-09-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	65.35	0 -20	30- 70
10mm	28.55	0 -5	10- 35
4.75mm	3.90	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.75	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	81.25	60-95	75-100	85-100	
01.18	74.50	30-70	55-90	75-100	
600.mic	46.80	15-34	35-59	60-79	
300.mic	24.10	5-20	8-30	12-40	
150.mic	6.80	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Page No. 1/1,

NC/QC/YD/2020-21/P7-C3

Date: 29-09-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**162 min**	Shall not be less than 30 min
2	Final setting time	**285 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.14 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.09 mm**	Shall not be more than 10 mm
5	Compressive strength c) 3 days (average of three results)	**28.86 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-PCC3

Date: 29-09-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.45	0 -20	30- 70
10mm	31.75	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.45	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	83.15	60-95	75-100	85-100	
01.18	71.80	30-70	55-90	75-100	
600.mic	46.65	15-34	35-59	60-79	
300.mic	25.10	5-20	8-30	12-40	
150.mic	6.80	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Page No. 1/1,

NC/QC/YD/2020-21/P7-C4

Date: 30-09-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**152 min**	Shall not be less than 30 min
2	Final setting time	**275 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06 mm**	Shall not be more than 10 mm
5	Compressive strength d) 3 days (average of three results)	**28.54 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

Page No. 1/1,

NC/QC/YD/2020-21/P7-PCC4

Date: 30-09-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.55	0 -20	30- 70
10mm	29.40	0 -5	10- 35
4.75mm	3.75	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	95.30	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.55	60-95	75-100	85-100	
01.18	70.65	30-70	55-90	75-100	
600.mic	45.25	15-34	35-59	60-79	
300.mic	23.15	5-20	8-30	12-40	
150.mic	8.45	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

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NEWZEN CONSULTANT Bangalore

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-C5 Date: 03-10-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	165 min	Shall not be less than 30 min
2	Final setting time	275min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.14 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.02mm	Shall not be more than 10 mm
5	Compressive strength e) 3 days (average of three results)	28.46 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

Page No. 1/1,

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-PCC5

Date: 03-10-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.45	0 -20	30- 70
10mm	32.90	0 -5	10- 35
4.75mm	4.15	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.25	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	81.65	60-95	75-100	85-100	
01.18	74.55	30-70	55-90	75-100	
600 mic	46.35	15-34	35-59	60-79	
300 mic	22.80	5-20	8-30	12-40	
150 mic	6.15	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

Page No. 1/1,

NEWZEN CONSULTANT BANGALORE

NC/QC/YD/2020-21/P7-C6

Date: 03-10-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**156 min**	Shall not be less than 30 min
2	Final setting time	**265 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.08 mm**	Shall not be more than 10 mm
5	Compressive strength f) 3 days (average of three results)	**28.65 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-C7 Date: 05-10-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to roads and construction of RCC drains and culverts at Muneshwara layout and Santoshnagara in ward no: 03 of Yelahanka New Town Sub Division (Package-03).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**159 min**	Shall not be less than 30 min
2	Final setting time	**260 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.15%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.03 mm**	Shall not be more than 10 mm
5	Compressive strength g) 3 days (average of three results)	**28.74 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-PCC7 Date: 05-10-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company)

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	64.35	0 -20	30- 70
10mm	28.55	0 -5	10- 35
4.75mm	3.85	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	94.75	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.25	60-95	75-100	85-100	
01.18	74.50	30-70	55-90	75-100	
600.mic	42.80	15-34	35-59	60-79	
300.mic	26.10	5-20	8-30	12-40	
150.mic	7.80	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-C8 Date: 07-10-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**162 min**	Shall not be less than 30 min
2	Final setting time	**280 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.17 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.09 mm**	Shall not be more than 10 mm
5	Compressive strength h) 3 days (average of three results)	**28.86 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-PCC8

Date: 07-10-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	62.45	0 -20	30- 70
10mm	31.75	0 -5	10- 35
4.75mm	4.10	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.45	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	80.15	60-95	75-100	85-100	
01.18	72.80	30-70	55-90	75-100	
600.mic	46.90	15-34	35-59	60-79	
300.mic	24.10	5-20	8-30	12-40	
150.mic	8.05	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-C9

Date: 09-10-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**152 min**	Shall not be less than 30 min
2	Final setting time	**270min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.07 mm**	Shall not be more than 10 mm
5	Compressive strength i) 3 days (average of three results)	**28.54 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-PCC9 **Date: 09-10-2020**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	64.55	0 -20	30- 70
10mm	28.45	0 -5	10- 35
4.75mm	3.75	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	95.30	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.55	60-95	75-100	85-100	
01.18	71.65	30-70	55-90	75-100	
600.mic	48.25	15-34	35-59	60-79	
300.mic	25.15	5-20	8-30	12-40	
150.mic	7.45	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-C10

Date: 12-10-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**165 min**	Shall not be less than 30 min
2	Final setting time	**275 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.12 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.05 mm**	Shall not be more than 10 mm
5	Compressive strength j) 3 days (average of three results)	**28.44 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

Date: 12-10-2020

NC/QC/YD/2020-21/P7-PCC10

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	65.45	0 -20	30- 70
10mm	32.90	0 -5	10- 35
4.75mm	4.15	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.25	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.65	60-95	75-100	85-100	
01.18	74.55	30-70	55-90	75-100	
600.mic	46.35	15-34	35-59	60-79	
300.mic	22.70	5-20	8-30	12-40	
150.mic	8.10	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

Page No. 1/1,

NC/QC/YD/2020-21/P7-C11

Date: 14-10-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**156 min**	Shall not be less than 30 min
2	Final setting time	**265 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.07 mm**	Shall not be more than 10 mm
5	Compressive strength k) 3 days (average of three results)	**28.62 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-PCC11

Date: 14-10-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	64.75	0 -20	30- 70
10mm	31.50	0 -5	10- 35
4.75mm	4.05	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.35	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	81.05	60-95	75-100	85-100	
01.18	73.35	30-70	55-90	75-100	
600 mic	46.80	15-34	35-59	60-79	
300 mic	23.55	5-20	8-30	12-40	
150 mic	7.25	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANTS Bangalore

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-C12

Date: 15-10-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**158 min**	Shall not be less than 30 min
2	Final setting time	**260 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06 mm**	Shall not be more than 10 mm
5	Compressive strength I) 3 days (average of three results)	**28.74 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-PCC12

Date: 15-10-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	65.35	0 -20	30- 70
10mm	29.55	0 -5	10- 35
4.75mm	4.15	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	94.75	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.25	60-95	75-100	85-100	
01.18	74.50	30-70	55-90	75-100	
600 mic	47.80	15-34	35-59	60-79	
300 mic	24.10	5-20	8-30	12-40	
150 mic	7.80	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-C13

Date: 16-10-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no 04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**161 min**	Shall not be less than 30 min
2	Final setting time	**280 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.16 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.09 mm**	Shall not be more than 10 mm
5	Compressive strength m) 3 days (average of three results)	**28.83 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-PCC13

Date: 16-10-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	62.45	0 -20	30- 70
10mm	31.75	0 -5	10- 35
4.75mm	4.15	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.45	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	83.15	60-95	75-100	85-100	
01.18	71.80	30-70	55-90	75-100	
600 mic	47.65	15-34	35-59	60-79	
300 mic	22.10	5-20	8-30	12-40	
150 mic	8.10	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-C14 **Date: 17-10-2020**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**156 min**	Shall not be less than 30 min
2	Final setting time	**270min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.07 mm**	Shall not be more than 10 mm
5	Compressive strength n) 3 days (average of three results)	**28.54 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

Page No. 1/1,

NEWZEN CONSULTANT * Bangalore *

NC/QC/YD/2020-21/P7-PCC14 **Date: 17-10-2020**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	64.55	0 -20	30- 70
10mm	28.40	0 -5	10- 35
4.75mm	3.80	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS.

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	95.30	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	83.55	60-95	75-100	85-100	
01.18	71.65	30-70	55-90	75-100	
600.mic	45.25	15-34	35-59	60-79	
300.mic	23.15	5-20	8-30	12-40	
150.mic	7.45	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಉಪಗ್ರಹ ಪಟ್ಟಣ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

Date: 17-10-2020

NC/QC/YD/2020-21/P7-C15

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	163 min	Shall not be less than 30 min
2	Final setting time	275 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.11 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.07 mm	Shall not be more than 10 mm
5	Compressive strength o) 3 days (average of three results)	28.46 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-PCC15

Date: 17-10-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.45	0 -20	30- 70
10mm	30.90	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.25	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	81.65	60-95	75-100	85-100	
01.18	74.55	30-70	55-90	75-100	
600 mic	47.35	15-34	35-59	60-79	
300 mic	23.80	5-20	8-30	12-40	
150 mic	7.05	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

NEWZEN CONSULTANT Bangalore

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-CE1

Date: 19-10-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no 04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor* : M.S. Venkatesh (MSV Constrution Company).

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**154 min**	Shall not be less than 30 min
2	Final setting time	**265 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.89 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.92 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.56 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-FA2

Date: 19-10-2020

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

TABLE - 1.1 : SIEVE ANALYSIS

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**96.15**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.25**	60-95	75-100	85-100	
01.18	**73.05**	30-70	55-90	75-100	
600. mic	**47.80**	15.34	35-59	60-79	
300.mic	**23.50**	5-20	8-30	12-40	
150.mic	**7.35**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**17.63%**	-----
2	Silt Content	----	**0.59%**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

The result of the materials tested meets the standards and hence can be used for the work.

Page No. 1/1,

NEWZEN CONSULTANT Bangalore

NC/QC/YD/2020-21/P7-CA2 Date: 19-10-2020

1. **TESTING OF COARSE AGGREGATES (20 mm):**

Sub: Testing of Construction Materials.

{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	95.25	85-100	90 - 100
10 mm	48.10	0 - 20	25 - 55
4.75 mm	3.95	0 - 5	0 - 10

TABLE 1.2

SL No	Test conducted	Results	Requirements as per IS 383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	26.54%	Not to exceed 25 %
2.	Crushing value	28.93%	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-S1

Date: 19-10-2020

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10 mm **TMT Steel.**
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

TABLE – 1

SL No	Details	For 10 mm	
		Test Results	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**10.0 mm**	10.0 mm
02	Observed Wt/m Length **Kg/m**	**0.623**	0.567
03	Proof stress/Yield stress, fy , **N/mm²**	**558.0**	500.0
04	Bend/ Re bend Test	**Ok**	---
05	Percentage of Elongation, %	**20.30**	12.00
06	Ultimate Tensile Strength **N/mm²**	**647.0**	545.0

The result of the materials tested meets the standards and hence can be used for the work.

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-CB1

Date: 28-10-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
[Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).]

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	21-10-20	28-10-20	07	22500	365	16.22	**16.30**
	002	"	"	"	"	360	16.00	
	003	"	"	"	"	375	16.67	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT * Bangalore *

Page No. 1/1,

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

Date: 29-10-2020

NC/QC/YD/2020-21/P7-CB3

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21, ("ditto com")

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	22-10-20	29-10-20	07	22500	375	16.67	16.74
	002	"	"	"	"	385	17.11	
	003	"	"	"	"	370	16.44	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT * Bangalore *

Date: 29-10-2020

NC/QC/YD/2020-21/P7-CB4

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength)
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21, (10th & CPDM)
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	22-10-20	29-10-20	07	22500	370	16.44	16.67
	002	"	"	"	"	380	16.89	
	003	"	"	"	"	375	16.67	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

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EMAIL:newzen576@gmail.com

Date: 30-10-2020

NC/QC/YD/2020-21/P7-CB5

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21, (16th A cross)

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-10-20	30-10-20	07	22500	380	16.89	16.81
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	385	17.11	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT * Bangalore *

Page No. 1/1,

Date: 30-10-2020

NC/QC/YD/2020-21/P7-CB6

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21, (10th & 11th)

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-10-20	30-10-20	07	22500	360	16.00	16.07
	002	"	"	"	"	355	15.78	
	003	"	"	"	"	370	16.44	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಜ.ಪ.ಂ.ಕ, ಬೆಂಗಳೂರು-೫೬

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EMAIL:newzen576@gmail.com

Date: 02-11-2020

NC/QC/YD/2020-21/P7-CB7

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21, (ಕೆ ೨೨೦ ೨೦೨೧)

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	26-10-20	02-11-20	07	22500	370	16.44	16.22
	002	"	"	"	"	365	16.22	
	003	"	"	"	"	360	16.00	

The result of the materials tested meets the standards and hence can be used for the work.

ಸಹಾಯಕ ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

NEWZEN CONSULTANT * Bangalore *

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-CB8

Date: 02-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21, ("town pond")
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	26-10-20	02-11-20	07	22500	365	16.22	**16.15**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	355	15.78	

The result of the materials tested meets the standards and hence can be used for the work.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
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NEWZEN CONSULTANT * Bangalore *

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-CB9 Date: 03-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21, (Crown Pond)
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	27-10-20	03-11-20	07	22500	370	16.44	**16.22**
	002	"	"	"	"	365	16.22	
	003	"	"	"	"	360	16.00	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT * Bangalore *

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EMAIL:newzen576@gmail.com

Date: 04-11-2020

NC/QC/YD/2020-21/P7-CB11

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
(Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).)

Ref.: Material testing/PMC/20-21, ("8th B Main")

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	28-10-20	04-11-20	07	22500	380	16.89	**16.89**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	390	17.33	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT * Bangalore *

Page No. 1/1,

NC/QC/YD/2020-21/P7-CB12 **Date: 05-11-2020**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21, (ಬಿಗ್ ಟೆಂಡರ್)
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	29-10-20	05-11-20	07	22500	375	16.67	16.74
	002	"	"	"	"	385	17.11	
	003	"	"	"	"	370	16.44	

The result of the materials tested meets the standards and hence can be used for the work.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
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NEWZEN CONSULTANT * Bangalore *

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EMAIL:newzen576@gmail.com

Date: 18-10-2020

NC/QC/YD/2020-21/P7-CB1A

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
(Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).)
("4th A main, 6th A main & 15th B cross")

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	21-10-20	18-11-20	28	22500	500	22.22	22.44
	002	"	"	"	"	510	22.67	
	003	"	"	"	"	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-CB2A

Date: 18-10-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21, (1st A, 6th A main & 15th A cross*)

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	21-10-20	18-11-20	28	22500	510	22.67	23.04
	002	"	"	"	"	525	23.33	
	003	"	"	"	"	520	23.11	

The result of the materials tested meets the standards and hence can be used for the work.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ-1,
ಪ.ಪಂ.ಕ. ಬೆಂಗಳೂರು-106

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-CB3A

Date: 19-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21, ("10th B Cross")

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	22-10-20	19-11-20	28	22500	495	22.00	**22.22**
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work.

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ಬ.ಬ.ಪ. ಬೆಂಗಳೂರು-106

NEWZEN CONSULTANT * Bangalore *

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-CB5A

Date: 20-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21, (10th & Cross)

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-10-20	20-11-20	28	22500	515	22.89	**22.81**
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	525	23.33	

The result of the materials tested meets the standards and hence can be used for the work.

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ಜ.ಜ.ಪಾ.ಕ. ಬೆಂಗಳೂರು-106

NEWZEN CONSULTANT * Bangalore *

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-CB6A

Date: 20-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-10-20	20-11-20	28	22500	525	23.33	22.96
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	510	22.67	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2NO CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-CB7A

Date: 23-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21, ("Cross Road")

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	26-10-20	23-11-20	28	22500	515	22.89	**22.52**
	002	"	"	"	"	495	22.00	
	003	"	"	"	"	510	22.67	

The result of the materials tested meets the standards and hence can be used for the work.

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NEWZEN CONSULTANT * Bangalore *

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-CB8A

Date: 23-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
(Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).)
Ref.: Material testing/PMC/20-21, ["e road"]
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	26-10-20	23-11-20	28	22500	510	22.67	22.37
	002	"	"	"	"	495	22.00	
	003	"	"	"	"	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-CB9A **Date: 24-11-2020**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21, ["Cross Road"]

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	27-10-20	24-11-20	28	22500	515	22.89	**22.81**
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	525	23.33	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT * Bangalore *

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-CB11A

Date: 25-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength)
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21, [17th B cross, 8th B main]
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	28-10-20	25-11-20	28	22500	515	22.89	22.59
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	510	22.67	

The result of the materials tested meets the standards and hence can be used for the work.

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Page No. 1/1,

NEWZEN CONSULTANT Bangalore

NC/QC/YD/2020-21/P7-D1

Date: 27-10-2020

TEST REPORT ON DRY LEAN CONCRETE
(GRADATION TEST)

Sub: To conduct Gradation test on Dry Lean Concrete (DLC) Mix.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no 04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
26.50	100	100
19.00	91.25	75-95
9.50	64.10	50-70
4.75	50.45	30-55
2.36	36.90	17-42
0.600	17.55	8-22
0.300	15.35	7-17
0.150	9.75	2-12
0.075	6.40	0-10

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-CR1 Date: 05-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21, (1st cross)

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{10}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	29-10-20	05-11-20	07	22500	515	22.89	23.41
	002	"	"	"	"	540	24.00	
	003	"	"	"	"	525	23.33	

The result of the materials tested meets the standards and hence can be used for the work.

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NEWZEN CONSULTANT * Bangalore *

Page No. 1/1,

NC/QC/YD/2020-21/P7-CR1A

Date: 26-11-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}

Ref.: Material testing/PMC/20-21, [1st cycle]

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	29-10-20	26-11-20	28	22500	730	32.44	32.59
	002	"	"	"	"	745	33.11	
	003	"	"	"	"	725	32.22	

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-W1 Date: 18-11-2020

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21, [" 18th B, 17th B Cross & 7th B, 8th B main]
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

TEST RESULTS

1. Gradation Test:
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**97.35**	95-100
26.50	---	-
22.40	**72.10**	60-80
11.20	**54.30**	40-60
4.75	**32.90**	25-40
2.36	**26.50**	15-30
0.600	**18.05**	8-22
0.075	**3.90**	0-5

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT * Bangalore *

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-BC2 Date: 06-11-2020

LTEST REPORT ON BITUMINOUS MIXES :
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21, ["18th B, 17th B Cross & 7th B main"]
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

TEST RESULTS

A. Type of Construction : **Bituminous Concrete**
1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.44%**

2. **Gradation Test**
TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specfications-2013 BC (Grading - 2)
19.0	**100**	100
13.2	**96.25**	90-100
9.5	**81.10**	70-88
4.75	**66.35**	53-71
2.36	**54.80**	42-58
1.18	**41.35**	34-48
0.600	**34.75**	26-38
0.300	**23.65**	18-28
0.150	**18.10**	12-20
0.075	**7.35**	4-10

The result of the materials tested meets the standards and hence can be used for the work.

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NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-BS2 Date: 06-11-2020

1.TEST REPORT ON BITUMINOUS MIXES :
(STABILITY OF BITUMINOUS MIX)

Sub: To determine the stability of bituminous mix for BC mix sample.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21, ["18th A, 17th A cross & 7th A main"]
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

TEST RESULTS

Table 1: Properties of BC (Gr-2) Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Bituminous Concrete, Grade-2 as per M.o.R.T&H (V Revision)-2013 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	**1352**	900
2	Marshall Flow at 60°C, mm.	**3.40**	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-BC3 Date: 08-11-2020

1.TEST REPORT ON BITUMINOUS MIXES :
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21, [6th A, 6th B main & 7m wide]
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

TEST RESULTS

A. Type of Construction : **Bituminous Concrete**
1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.43%**

2. **Gradation Test**
TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specfications-2013 BC (Grading - 2)
19.0	**100**	100
13.2	**97.25**	90-100
9.5	**82.10**	70-88
4.75	**64.35**	53-71
2.36	**51.80**	42-58
1.18	**43.35**	34-48
0.600	**32.75**	26-38
0.300	**26.55**	18-28
0.150	**17.10**	12-20
0.075	**8.30**	4-10

The result of the materials tested meets the standards and hence can be used for the work.

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EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/P7-BS3 Date: 08-11-2020

1.TEST REPORT ON BITUMINOUS MIXES :
(STABILITY OF BITUMINOUS MIX)

Sub: To determine the stability of bituminous mix for BC mix sample.
{Project*: Asphalting and Improvements to roads & drains at A Sector, B Sector, Judicial Layout, Someshwaranagara in ward no.04 of Yelahanka Satellite town sub Division (Package -07).}
Ref.: Material testing/PMC/20-21, ["8th B, 6th B main & 7M wide]
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M.S. Venkatesh (MSV Constrution Company).

TEST RESULTS

Table 1: Properties of BC (Gr-2) Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Bituminous Concrete, Grade-2 as per M.o.R.T&H (V Revision)-2013 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	1356	900
2	Marshall Flow at 60°C, mm.	3.44	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work.

NEWZEN CONSULTANT Bangalore

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